



In the United States Patent and Trademark Office

Applicant(s): Philip Cavanaugh
Serial No. 10/002,690
Filed: 11/2000 (Provisional); 11/2001(Full).
Title: Method for the detection and measurement of Hapten-conjugated binding entities by western and dot-blot using anti-hapten antibodies.

Group Art unit: 1645
Examiner: Ja-Na A Hines

Docket N:

Information Disclosure Statement

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

To Whom It May Concern:

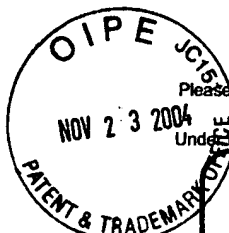
Attached is a completed form PTO/SB/08 (A and B) can copies of the pertinent parts of the references cited thereon.

The sole foreign language reference is that of LaGrange, et al.(1993), which serves as an illustration of the use of radiolabeled ligand in measuring of ligand binding to cell surfaces. The abstract of the article is in english. The enclosed invention avoids the use of radioactive materials to perform the same task, so this reference is shown to be different than that of the enclosed invention.

Applicant(s) Philip Cavanaugh
Telephone: (313) 538-2587
Enclosed: PTO 1449 and References

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE



Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/002,690
		Filing Date	12/05/2001
		First Named Inventor	Philip Cavanaugh
		Group Art Unit	1645
		Examiner Name	Ja-Na Hines
Sheet <u>2</u>	of <u>3</u>	Attorney Docket Number	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	LAGRANGE, J.L. et al., "Demonstration and characterization of EGF receptors in cancer of the uterine cervix", Bull Cancer, 1993, 80: 219-224.	
	2	INOUE, T. et al., "Differences in transferrin response and numbers of transferrin receptors in rat and human mammary carcinoma lines of different metastatic potentials", Journal of Cellular Physiology, 1993, 156: 212-217.	
	3	CAVANAUGH, P.G., and NICOLSON, G.L., "The selection of a metastatic rat mammary adenocarcinoma cell line from a low metastatic parental population by an in vitro process based on cellular ability to proliferate in response to transferrin", Journal of Cellular Physiology, 174, 48-57, 1998.	
	4	CAVANAUGH, P.G., et al., " Transferrin receptor overexpression enhances transferrin responsiveness and the metastatic growth of a rat mammary adenocarcinoma cell line", Breast Cancer Research and Treatment, 56, 203-217, 1999.	
	5	GORDON, I.L. "Scatchard analysis of fluorescent concanavalin A binding to lymphocytes", Cytometry, 1995, 20, 238-244.	
	6	PALUPI, N.S. et al., "Bovine beta-lactoglobulin receptors on transformed mammalian cells (hybridomas MARK-3): characterization by flow cytometry", J Biotechnol, 2000, 78, 171-184.	
	7	SAMUEL D. et al., "A sensitive method of detecting proteins on dot and Western blots using a monoclonal antibody to FITC", J Immunol Methods, 1988, 107, 217-224.	
	8	HASELBACK, A. et al., "Structural characterization of glycoprotein carbohydrate chains by using digoxigenin-labeled lectins on blots", Analytical Biochemistry, 1990, 191, 25-30.	
	9	HASELBACK, A and HOSEL, W. "Detection of proteins and glycoproteins on western blots", in "Nonradioactive labeling and detection of biomolecules", KESSLER, C., ed., 1992, 297-299, Springer-Verlag, Berlin.	
	10	ZHANG, G., et al., "Early detection of apoptosis using a fluorescent conjugate of annexin V", Biotechniques, 1997, 23, 525-531.	
	11	LE GALL M., et al., "The p42/p44 MAP kinase pathway prevents apoptosis induced by anchorage and serum removal", Mol Biol Cell, 2000, 11, 1103-1112.	

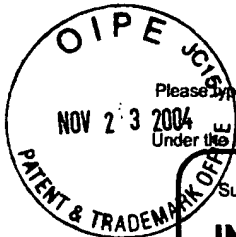
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Sheet

of

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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		Niedergang F., et al. "Convulxin binding to platelet receptor GPVI: competition with collagen related peptides", Biochem Biophys Res Commun, 2000 273, 246-250.	
		Schaffer, L. "A model for insulin binding to the insulin receptor", Eur J Biochem, 1994, 1127-1132.	
		Schagger H, von Jagow G. Tricine-sodium dodecyl sulfate-polyacrylamide gel electrophoresis for the separation of proteins in the range from 1 to 100 kDa" Anal Biochem., 1987,166,368-379.	

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